

Claims:

- 1 1. A system for text entry, text editing, and hyperlink navigation, comprising:
 - 2 a reduced keyset keystroke sequence;
 - 3 a keystroke sequence receiver for receiving the sequence;
 - 4 a keystroke sequence parser for parsing the received sequence;
 - 5 an input text buffer for receiving the parsed sequence;
 - 6 storage means for storing and retrieving user interface display screens;
 - 7 a browser for accessing the display screens;
 - 8 a video output converter for converting an accessed display screen for display;
 - 9 the accessed display screen including a hyperlink for option selection and for display
 - 10 screen navigation,
 - 11 whereby a user enters a keystroke sequence for entering text, for editing text, for
 - 12 selecting displayed options, and for navigating the user interface display screens.
- 1 1 2. The system of claim 1 further including a reduced keyset user input device.
- 1 1 3. The system of claim 1 further including display means connected to the video output
2 converter for displaying an accessed user interface display screen.
- 1 1 4. The system of claim 1 further including communication network means permitting
2 the storage means to be connected to the browser via a communications network.
- 1 1 5. The system of claim 4 wherein the sequence receiver, the sequence parser, the
2 browser, the video output converter, and the communication network means define an
3 Internet appliance.
- 1 1 6. The system of claim 1 wherein the reduced keyset keystroke sequence defines text
2 entry

1 7. The system of claim 6 further including a first text input mode in which each letter of
2 the alphabet is defined as a two-keystroke sequence.

1 8. The system of claim 7 wherein the letters are define by the following sequences: the
2 letter "a" by the sequence "2-1", the letter "b" by the sequence "2-2", the letter "c" by the
3 sequence "2-3", the letter "d" by the sequence "3-1", and so on for the following
4 correspondences: the letters "a-b-c" corresponding to sequences starting with the number
5 "2", "d-e-f" with the number "3", "g-h-i" with the number "4" and so on as the letters of the
6 alphabet correspond to the numbered keys of a standard telephone keypad.

1 9. The system of claim 6 further including a second text input mode in which each letter
2 of the alphabet is defined as follows: the letter "a" by the sequence "2", the letter "b" by the
3 sequence "2-2", the letter "c" by the sequence "2-2-2", the letter "d" by the sequence "3",
4 the letter "e" by the sequence "3-3", and so on as the letters of the alphabet correspond to
5 the numbered keys of a standard telephone keypad, and wherein the input sequence
6 consists of a number of presses of the key corresponding to the letter being input, and
7 wherein the number of presses of the specific key corresponds to the position of the letter
8 within the letter group.

1 10. The system of claim 1 wherein the reduced keyset keystroke sequence defines
2 special symbol input.

1 11. The system of claim 1 wherein the reduced keyset keystroke sequence defines a
2 shortcut input.

1 12. The system of claim 2 wherein the reduced keyset user input device defines a hand-
2 held remote control unit transmitting the keystroke sequence using an infra-red transmitter.

1 13. The system of claim 12 wherein the keystroke sequence receiver is adapted for
2 receiving an infra-red transmission.

1 14. The system of claim 2 wherein the reduced keyset user input device defines a
2 standard wireless telephone transmitting the keystroke sequence using a radio signal.

1 15. The system of claim 14 wherein the keystroke sequence receiver is adapted for
2 receiving a standard wireless telephone transmission.

1 16. The system of claim 1 further including the keystroke sequence receiver being
2 adapted to accept a microphone input, and the system also including voice recognition
3 means for converting the microphone input to the parsed keystroke sequence.

1 17. The system of claim 17 wherein the voice recognition means converts a plurality of
2 spoken languages limited to spoken digits.

1 18. The system of claim 16 further including microphone means for inputting spoken
2 digits.

1 19. The system of claim 18 wherein the microphone means includes one of a
2 microphone, a standard telephone, and a wireless telephone.

1 20. The system of claim 5 wherein the Internet appliance includes microphone input
2 means for receiving a reduced keyset keystroke sequence in the form of spoken digits.